

# Michael B Major

## List of Publications by Year in descending order

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71  
papers

4,495  
citations

126907

33  
h-index

110387

64  
g-index

79  
all docs

79  
docs citations

79  
times ranked

8084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct Wnt signaling pathways have opposing roles in appendage regeneration. <i>Development</i> (Cambridge), 2007, 134, 479-489.	2.5	480
2	Wilms Tumor Suppressor WTX Negatively Regulates WNT/ $\beta$ -Catenin Signaling. <i>Science</i> , 2007, 316, 1043-1046.	12.6	379
3	Activated Wnt/ $\beta$ -catenin signaling in melanoma is associated with decreased proliferation in patient tumors and a murine melanoma model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1193-1198.	7.1	313
4	Common genetic variation within the Low-Density Lipoprotein Receptor-Related Protein 6 and late-onset Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9434-9439.	7.1	252
5	Proteomic Analysis of Ubiquitin Ligase KEAP1 Reveals Associated Proteins That Inhibit NRF2 Ubiquitination. <i>Cancer Research</i> , 2013, 73, 2199-2210.	0.9	209
6	The Kindler Syndrome Protein Is Regulated by Transforming Growth Factor- $\beta$ 2 and Involved in Integrin-mediated Adhesion. <i>Journal of Biological Chemistry</i> , 2004, 279, 6824-6833.	3.4	142
7	NRF2 Activation in Cancer: From DNA to Protein. <i>Cancer Research</i> , 2019, 79, 889-898.	0.9	140
8	New Regulators of Wnt/ $\beta$ -Catenin Signaling Revealed by Integrative Molecular Screening. <i>Science Signaling</i> , 2008, 1, ra12.	3.6	135
9	Cancer-Derived Mutations in KEAP1 Impair NRF2 Degradation but not Ubiquitination. <i>Cancer Research</i> , 2014, 74, 808-817.	0.9	121
10	Small-molecule synergist of the Wnt/ $\beta$ -catenin signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7444-7448.	7.1	118
11	The whole-genome landscape of Burkitt lymphoma subtypes. <i>Blood</i> , 2019, 134, 1598-1607.	1.4	113
12	Hemi-methylated DNA regulates DNA methylation inheritance through allosteric activation of H3 ubiquitylation by UHRF1. <i>ELife</i> , 2016, 5, .	6.0	111
13	Wilms Tumor Gene on X Chromosome (WTX) Inhibits Degradation of NRF2 Protein through Competitive Binding to KEAP1 Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 6539-6550.	3.4	110
14	Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell. <i>Cell Reports</i> , 2021, 36, 109364.	6.4	109
15	BRG1/SMARCA4 Inactivation Promotes Non-Small Cell Lung Cancer Aggressiveness by Altering Chromatin Organization. <i>Cancer Research</i> , 2014, 74, 6486-6498.	0.9	104
16	WIKI4, a Novel Inhibitor of Tankyrase and Wnt/ $\beta$ -Catenin Signaling. <i>PLoS ONE</i> , 2012, 7, e50457.	2.5	89
17	USP6 oncogene promotes Wnt signaling by deubiquitylating Frizzleds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2945-54.	7.1	84
18	Glycosylation of KEAP1 links nutrient sensing to redox stress signaling. <i>EMBO Journal</i> , 2017, 36, 2233-2250.	7.8	82

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19	FOXP1 potentiates Wnt/ $\beta$ -catenin signaling in diffuse large B cell lymphoma. <i>Science Signaling</i> , 2015, 8, ra12.	3.6	71
20	Identification and Characterization of MCM3 as a Kelch-like ECH-associated Protein 1 (KEAP1) Substrate. <i>Journal of Biological Chemistry</i> , 2016, 291, 23719-23733.	3.4	68
21	WNT Activates the AAK1 Kinase to Promote Clathrin-Mediated Endocytosis of LRP6 and Establish a Negative Feedback Loop. <i>Cell Reports</i> , 2019, 26, 79-93.e8.	6.4	68
22	The mucopolidosis IV Ca <sup>2+</sup> channel TRPML1 (MCOLN1) is regulated by the TOR kinase. <i>Biochemical Journal</i> , 2015, 470, 331-342.	3.7	63
23	Ginger Compound [6]-Shogaol and Its Cysteine-Conjugated Metabolite (M2) Activate Nrf2 in Colon Epithelial Cells <i>in Vitro</i> and <i>in Vivo</i> . <i>Chemical Research in Toxicology</i> , 2014, 27, 1575-1585.	3.3	60
24	The autism-linked UBE3A T485A mutant E3 ubiquitin ligase activates the Wnt/ $\beta$ -catenin pathway by inhibiting the proteasome. <i>Journal of Biological Chemistry</i> , 2017, 292, 12503-12515.	3.4	59
25	Hyperactivity of the transcription factor Nrf2 causes metabolic reprogramming in mouse esophagus. <i>Journal of Biological Chemistry</i> , 2019, 294, 327-340.	3.4	57
26	Bruton's Tyrosine Kinase Revealed as a Negative Regulator of Wnt/ $\beta$ -Catenin Signaling. <i>Science Signaling</i> , 2009, 2, ra25.	3.6	56
27	Substrate Trapping Proteomics Reveals Targets of the $\beta$ TrCP2/FBXW11 Ubiquitin Ligase. <i>Molecular and Cellular Biology</i> , 2015, 35, 167-181.	2.3	55
28	A neomorphic cancer cell-specific role of MAGE-A4 in trans-lesion synthesis. <i>Nature Communications</i> , 2016, 7, 12105.	12.8	52
29	Ponatinib Shows Potent Antitumor Activity in Small Cell Carcinoma of the Ovary Hypercalcemic Type (SCCOHT) through Multikinase Inhibition. <i>Clinical Cancer Research</i> , 2018, 24, 1932-1943.	7.0	51
30	The Cancer/Testes (CT) Antigen HORMAD1 promotes Homologous Recombinational DNA Repair and Radioresistance in Lung adenocarcinoma cells. <i>Scientific Reports</i> , 2018, 8, 15304.	3.3	43
31	Identification of a $\beta$ Enhancer That Mediates SMAD3- and SMAD4-dependent Transcriptional Induction by Transforming Growth Factor $\beta$ . <i>Journal of Biological Chemistry</i> , 2004, 279, 5278-5287.	3.4	40
32	Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract. <i>Nature Communications</i> , 2022, 13, 136.	12.8	39
33	Modulation of Kaposi's Sarcoma-Associated Herpesvirus Interleukin-6 Function by Hypoxia-Upregulated Protein 1. <i>Journal of Virology</i> , 2014, 88, 9429-9441.	3.4	37
34	Competitive Kinase Enrichment Proteomics Reveals that Abemaciclib Inhibits GSK3 $\beta$ and Activates WNT Signaling. <i>Molecular Cancer Research</i> , 2018, 16, 333-344.	3.4	33
35	Targeted therapy of esophageal squamous cell carcinoma: the NRF2 signaling pathway as target. <i>Annals of the New York Academy of Sciences</i> , 2018, 1434, 164-172.	3.8	33
36	SNF5/INI1 Deficiency Redefines Chromatin Remodeling Complex Composition during Tumor Development. <i>Molecular Cancer Research</i> , 2014, 12, 1574-1585.	3.4	31

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37	Novel inhibitors of leukocyte transendothelial migration. <i>Bioorganic Chemistry</i> , 2019, 92, 103250.	4.1	31
38	Receptor Tyrosine Kinase-like Orphan Receptor 2 (Ror2) Expression Creates a Poised State of Wnt Signaling in Renal Cancer. <i>Journal of Biological Chemistry</i> , 2013, 288, 26301-26310.	3.4	29
39	The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes. <i>Cytoskeleton</i> , 2020, 77, 149-166.	2.0	28
40	Loss of SWI/SNF Chromatin Remodeling Alters NRF2 Signaling in Non-Small Cell Lung Carcinoma. <i>Molecular Cancer Research</i> , 2020, 18, 1777-1788.	3.4	24
41	A Circle RNA Regulatory Axis Promotes Lung Squamous Metastasis via CDR1-Mediated Regulation of Golgi Trafficking. <i>Cancer Research</i> , 2020, 80, 4972-4985.	0.9	23
42	Genetic and pharmacological inhibition of TTK impairs pancreatic cancer cell line growth by inducing lethal chromosomal instability. <i>PLoS ONE</i> , 2017, 12, e0174863.	2.5	23
43	Ccdc94 Protects Cells from Ionizing Radiation by Inhibiting the Expression of p53. <i>PLoS Genetics</i> , 2012, 8, e1002922.	3.5	21
44	Engineering a genetically encoded competitive inhibitor of the KEAP1-NRF2 interaction via structure-based design and phage display. <i>Protein Engineering, Design and Selection</i> , 2016, 29, gzv055.	2.1	21
45	The TRIM9/TRIM67 neuronal interactome reveals novel activators of morphogenesis. <i>Molecular Biology of the Cell</i> , 2021, 32, 314-330.	2.1	21
46	FAM129B is a novel regulator of Wnt/ $\beta$ -catenin signal transduction in melanoma cells. <i>F1000Research</i> , 2013, 2, 134.	1.6	21
47	$\beta$ -catenin gets jaded and von Hippel-Lindau is to blame. <i>Trends in Biochemical Sciences</i> , 2009, 34, 101-104.	7.5	20
48	Spotlite: Web Application and Augmented Algorithms for Predicting Co-Complexed Proteins from Affinity Purification - Mass Spectrometry Data. <i>Journal of Proteome Research</i> , 2014, 13, 5944-5955.	3.7	18
49	Gain-of-function genetic screen of the kinome reveals BRSK2 as an inhibitor of the NRF2 transcription factor. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	17
50	FAM123A Binds to Microtubules and Inhibits the Guanine Nucleotide Exchange Factor ARHGEF2 to Decrease Actomyosin Contractility. <i>Science Signaling</i> , 2012, 5, ra64.	3.6	16
51	Weight loss reduces basal-like breast cancer through kinome reprogramming. <i>Cancer Cell International</i> , 2016, 16, 26.	4.1	16
52	A conditional mouse expressing an activating mutation in <i>NRF2</i> displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. <i>Journal of Pathology</i> , 2020, 252, 125-137.	4.5	16
53	TRIM67 regulates exocytic mode and neuronal morphogenesis via SNAP47. <i>Cell Reports</i> , 2021, 34, 108743.	6.4	14
54	A 1,536-Well Ultra-High-Throughput siRNA Screen to Identify Regulators of the Wnt/ $\beta$ -Catenin Pathway. <i>Assay and Drug Development Technologies</i> , 2010, 8, 286-294.	1.2	13

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55	FAM129B is a novel regulator of Wnt/ $\beta$ -catenin signal transduction in melanoma cells. <i>F1000Research</i> , 2013, 2, 134.	1.6	12
56	Positive Cooperativity in Substrate Binding by Human Thymidylate Synthase. <i>Biophysical Journal</i> , 2019, 117, 1074-1084.	0.5	11
57	Dissecting the Keap1/Nrf2 pathway through proteomics. <i>Current Opinion in Toxicology</i> , 2016, 1, 118-124.	5.0	9
58	Computer-Aided Design and Synthesis of 1-4-[(3,4-Dihydroxybenzylidene)amino]phenyl]-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. <i>ChemPlusChem</i> , 2018, 83, 320-333.	2.8	9
59	Integrative Analysis of Genome-Wide RNA Interference Screens. <i>Science Signaling</i> , 2009, 2, pt4.	3.6	8
60	MSAcquisitionSimulator: data-dependent acquisition simulator for LC-MS shotgun proteomics. <i>Bioinformatics</i> , 2016, 32, 1269-1271.	4.1	8
61	In silico APC/C substrate discovery reveals cell cycle-dependent degradation of UHRF1 and other chromatin regulators. <i>PLoS Biology</i> , 2020, 18, e3000975.	5.6	7
62	TP53, CDKN2A/P16, and NFE2L2/NRF2 regulate the incidence of pure- and combined-small cell lung cancer in mice. <i>Oncogene</i> , 2022, 41, 3423-3432.	5.9	7
63	PKIS deep dive yields a chemical starting point for dark kinases and a cell active BRSK2 inhibitor. <i>Scientific Reports</i> , 2020, 10, 15826.	3.3	6
64	De-glutarylation of glutaryl-CoA dehydrogenase by deacylating enzyme SIRT5 promotes lysine oxidation in mice. <i>Journal of Biological Chemistry</i> , 2022, 298, 101723.	3.4	5
65	Protein proximity networks and functional evaluation of the casein kinase 1 gamma family reveal unique roles for CK1 $\beta$ 3 in WNT signaling. <i>Journal of Biological Chemistry</i> , 2022, 298, 101986.	3.4	5
66	Omics Risk Assessment. <i>Science Signaling</i> , 2009, 2, eg7.	3.6	4
67	Visualizing an Allosteric Intermediate Using CuAAC Stabilization of an NMR Mixed Labeled Dimer. <i>ACS Chemical Biology</i> , 2021, 16, 2766-2775.	3.4	4
68	Approximating Isotope Distributions of Biomolecule Fragments. <i>ACS Omega</i> , 2018, 3, 11383-11391.	3.5	3
69	Dynamics and evolution of $\beta$ -catenin-dependent Wnt signaling revealed through massively parallel clonogenic screening. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 673-684.	1.3	2
70	Computer-Aided Design and Synthesis of 1-4-[(3,4-Dihydroxybenzylidene)amino]phenyl]-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. <i>ChemPlusChem</i> , 2018, 83, 318-318.	2.8	2
71	<i>Science Signaling</i> Podcast: 3 February 2015. <i>Science Signaling</i> , 2015, 8, .	3.6	0